

JT8500D/H is the LTE-A Pro CAT15 outdoor data unit specially designed to meet the high speed wireless backhaul and fixed wireless access deployments by the 4G service operators. JT8500D/H can provide Gigabit PoE connection to connect user terminal device such as indoor router or Wi-Fi AP products, They are used for the customer's home or office to provide a larger wireless range and enhance mobility of usage.

JT8500D/H MTBF time is expected to be above 80,000 hours, It can provide up to 600Mbps max throughput over the air. The typical coverage should be more than 15km with reasonable good throughput performance.

JT8500D/H can communicate with SAS system separately, No need to attach to special eNB domain proxy system.

FCC IDENTIFIER : 2AU20-JT8500D-8500H



Chipset	GCT GDM7243A + GRF7243A
Dimensions	250mm (L) * 250mm(W) * 75mm(D)
Weight :	<2.5Kg
Power Adapter	Input : 100-240V 50/60Hz 0.75A MAX Output : DC 48V/0.5A (Gigabit PoE)
Power Consumption	< 15W
User Interfaces	Data : 1 RJ45 10/100/1000M ETH Port
LED Indicator	PWR, SYS, NET, SIM, ETH, RF (5 Signal intensity LEDs)
SIM Card	Single SIM card slot (2FF)
Environment	Operating Temperature, -40°C to 55°C Storage Temperature, -40° C to 85° C Humidity, 95% max Non-condensing
Industry Standards	ITU : 3GPP Release 12 IEEE : IEEE 802.3 10Base Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet
Ingress Protection Rating	IP67
Regulatory	FCC CBSD ClassB Part96

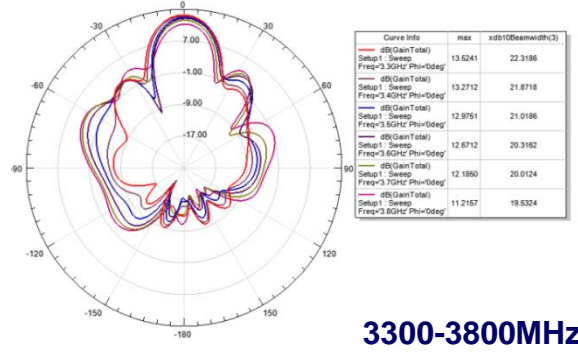
Network configuration	Secure boot and firmware authentication CBRS SAS management interface support Support Mobility and Nomadic LTE access mode Band, PLMN, Cell ID, SIM card locking DHCP or Static IP address Assignment Bridge and Router Operation Built-in DHCP Server for LAN Devices IPv4, IPv6 DS-Lite Multiple PDN interface NTP Service
Data Networking	Support GRE bridge and router operation mode Support L2TPv2 BCP networking Support L2TPv3 networking Security and anti-attack protection for LTE and WiFi access Network access and traffic volume control Rich set of ALGs pass-through support
Device Management	Standard TR069 and OMA-DM device management HTTPS and SFTP FOTA remote upgrade support Built-in device PING and IPERF support for remote device diagnosis
QOS	Support



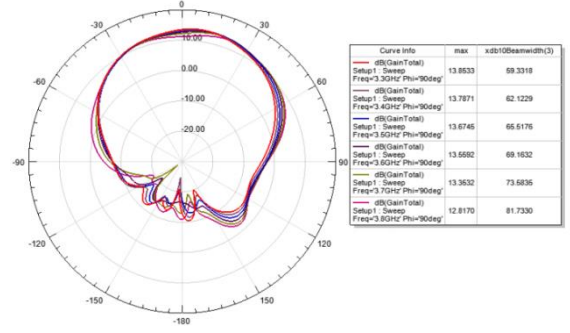
RF Interface

- Radio Access** 3GPP Release 12, Category 15
- Operation Mode** TDD 8Rx/4Rx, 2Tx, DL 4*4 MIMO
- CA** DL 2CA (4x4 MIMO 64 QAM);
DL 4CA (2x2 MIMO 256QAM);
UL 2CA(64QAM);
- MIMO** DL 2x2 MIMO (4CA);
DL 4x4 MIMO (2CA);
UL 2x2 MIMO;
- Output Power** 23dBm per Tx
- Frequency Band** B48 3550-3700MHz
- Antenna Gain** 13dbi (4 antenna model JT8500D)
17dbi (2 antenna model JT8500H)

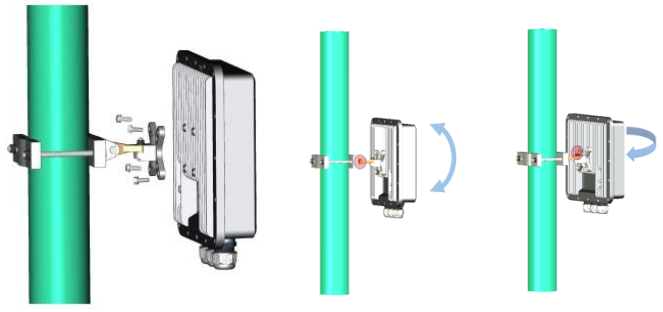
Antenna Patterns



3300-3800MHz

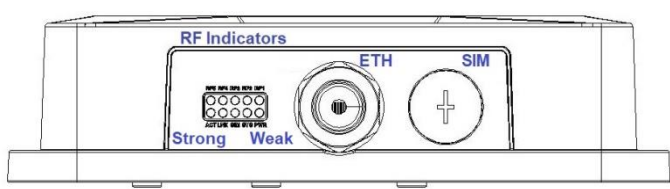
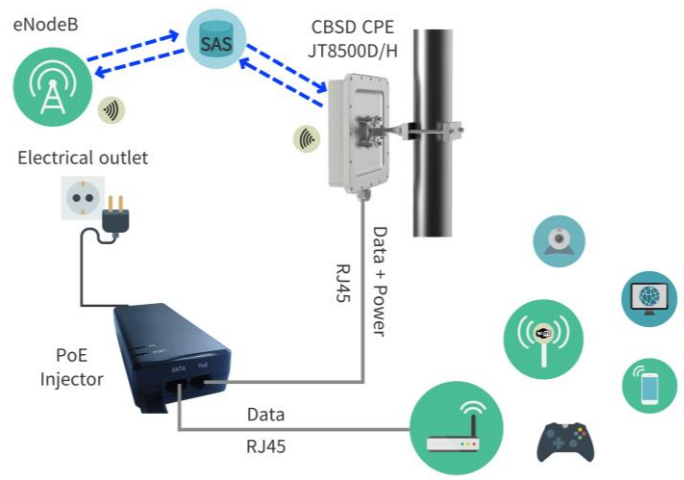


Installing



Installing ODU – Clamp

Connect Device



Insert SIM Card
RF Signal Adjustment

Packing List

